

James Peale

From: BAYUK Dana [BAYUK.Dana@deq.state.or.us]
Sent: Friday, April 25, 2008 3:28 PM
To: James Peale
Cc: McCue, Tom; Gladstone, Alan; GAINER Tom; LARSEN Henning
Subject: Siltronic, Pre-Injection Scope of Work

Hello James.

The Oregon Department of Environmental Quality (DEQ) reviewed the "Pre-Injection Scope of Work - Siltronic Corporation, 7200 NW Front Avenue, Portland, OR - ECSI #183" dated April 17, 2008 (Scope of Work). Maul Foster Alongi, Inc. prepared the Scope of Work for the Siltronic Corporation (Siltronic).

The Scope of Work presents Siltronic's approach to further evaluate the nature and extent of trichloroethene, including its breakdown products and additives (collectively referred to as "VOCs" in this e-mail), in the vicinity of the former solvent underground storage tank system (Former UST System). Historic releases of VOCs from the Former UST System have contaminated groundwater beneath the northern portion of the Siltronic site. The data generated from the drilling and sampling work described in the Scope of Work will support a plan for using enhanced in-situ bioremediation (EIB) to reduce concentrations of VOCs.

DEQ understands Siltronic's proposed Scope of Work includes the following work items:

- Demolishing above-ground storage tanks that are no longer in use and located in the area of investigation;
- Drilling ten push-probe borings in and around the Former UST System area to a depth of approximately 100 feet below ground surface (bgs);
- Collecting reconnaissance groundwater samples at depths of 25, 50, 75, and 100 feet bgs for expedited analysis of VOCs;
- Conducting pneumatic slug tests in selected borings to develop representative estimates of horizontal hydraulic conductivity within the investigation area; and
- Preparing and submitting a report that documents the work completed as an addendum to the EIB implementation plan (the implementation plan is due to DEQ on May 7th).

DEQ further understands the data produced from the expedited analysis of reconnaissance groundwater samples will be used to modify the drilling and sampling program as needed (e.g., adjusting and/or adding boring locations, altering the sampling intervals and/or frequency).

DEQ approves the drilling, sampling, and analytical work described in the Scope of Work with the following modifications.

- Consistent with work completed previously to support the EIB pilot study, four reconnaissance groundwater samples (approximately equally vertically spaced) should be collected for VOC analysis from 50 to 100 feet bgs. As such, five samples should be collected from each boring (i.e., one sample from ~25 feet bgs, and four samples from between 50 and 100 feet bgs).
- DEQ understands that borings will be advanced with the purpose of collecting reconnaissance groundwater samples. DEQ expects at least three of the borings to be continuously logged during drilling to supplement stratigraphic observations made previously. The borings selected for geologic logging should be located east, west, and as far north as practicable of the source zone pilot study area.
- Siltronic has previously interpreted the lower extent of VOCs in the vicinity of the Former UST System area to correspond with fine-grained sediments that occur between 100 and 105 feet bgs. DEQ expects samples of this material to be collected from the three borings selected for continuous logging. Each of these samples should be collected and tested with the objective of obtaining representative estimates of

vertical hydraulic conductivity for the undisturbed material.

Based on our telephone conversation on Wednesday April 23rd, DEQ understands the drilling and sampling work discussed in this e-mail have been tentatively scheduled to begin the week beginning May 5th. DEQ is not requesting the Scope of Work to be revised and resubmitted, however prior to initiating field activities Siltronic should provide written confirmation that the modifications listed above will be incorporated into the drilling, sampling, and analytical program.

Please feel free to contact me with questions regarding this e-mail.

Mr. Dana Bayuk, Project Manager
Cleanup & Portland Harbor Section
Oregon Department of Environmental Quality
2020 SW 4th Avenue, Suite 400
Portland, OR 97201

E-mail: bayuk.dana@deq.state.or.us

Phone: 503-229-5543

FAX: 503-229-6899

Please visit our website at <http://www.oregon.gov/DEQ/>